

The claims defining this invention are as follows:

1. An aircraft comprising a tube, which tube encircles part of the aircraft and is able to rotate relative to the encircled part of the aircraft, and
5 which aircraft comprises a means to rotate the tube relative to the encircled part of the aircraft, which aircraft also comprises a plurality of fins, which fins are connected to the tube such that the fins can be rotated in a pivoting manner relative to the
10 tube, and such that the fins can be rotated in the said pivoting manner in the same direction relative to the tube, and which aircraft also comprises a fin rotating mechanism by which fin rotating mechanism the fins can be rotated in the said pivoting manner in the same
15 direction as each other relative to the tube and such that rotation of one fin in a pivoting manner relative to the tube causes rotation of another fin relative to the tube in the same direction as a direction of rotation of the said one fin relative to the tube.

2. An aircraft comprising a tube, which tube encircles part of the aircraft and is able to rotate relative to the encircled part of the aircraft, and which aircraft comprises a means to rotate the tube
5 relative to the encircled part of the aircraft, which aircraft also comprises a plurality of fins, which fins are connected to the tube such that the fins can be rotated in a pivoting manner relative to the tube, and such that the fins can be rotated in the
10 said pivoting manner in the same direction relative to the tube, and which aircraft also comprises a fin rotating mechanism by which fin rotating mechanism the said fins can be rotated in the said pivoting manner in the same direction as each other relative to the tube
15 and such that mechanical action by the fin rotating mechanism to pivotally rotate one fin relative to the tube can cause rotation of another fin relative to the tube in the same direction as a direction of rotation of the said one fin relative to the tube.

3. An aircraft comprising a tube, which tube encircles part of the aircraft and is able to rotate relative to the encircled part of the aircraft, and which aircraft comprises a means to rotate the tube
5 relative to the encircled part of the aircraft, which aircraft also comprises a plurality of fins, which fins are connected to the tube such that the fins can be rotated in a pivoting manner relative to the tube, and which aircraft also comprises a fin rotating
10 mechanism by which fin rotating mechanism the fins can be rotated in the said pivoting manner such that rotation of one fin in a pivoting manner relative to the tube causes rotation of another fin in a pivoting manner relative to the tube
15 such that a direction of rotation of the said one fin in a pivoting manner relative to the tube is symmetric to a direction of rotation of the said another fin relative to the tube.

4. An aircraft comprising a tube, which tube encircles part of the aircraft and is able to rotate relative to the encircled part of the aircraft, and which aircraft comprises a means to rotate the tube relative to the encircled part of the aircraft, which aircraft also comprises a plurality of fins, which fins are connected to the tube such that the fins can be rotated in a pivoting manner relative to the tube, and which aircraft also comprises a fin rotating mechanism by which fin rotating mechanism the fins can be rotated in the said pivoting manner such that mechanical action by the fin rotating mechanism to pivotally rotate one fin relative to the tube can cause rotation of another fin in a pivoting manner relative to the tube such that a direction of rotation of the one fin in a pivoting manner relative to the tube is symmetric to a direction of rotation of the another fin relative to the tube.

5. An aircraft comprising a tube, which tube encircles part of the aircraft and is able to rotate relative to the encircled part of the aircraft, and which aircraft comprises a means to rotate the tube relative to the encircled part of the aircraft, which aircraft also comprises a plurality of fins, which fins are connected to the tube such that the fins can be rotated in a pivoting manner relative to the tube, and which aircraft also comprises a fin rotating mechanism by which fin rotating mechanism the fins can be rotated in the said pivoting manner such that during flight of the aircraft rotation of one fin relative to the tube could create a force that could cause the tube to rotate in one direction as a result of dynamic action by air on the one fin if rotation of the tube was not restricted, and which fin rotating mechanism is such that the said rotation of the one fin relative to the tube causes rotation of another fin relative to the tube such that during flight of the aircraft the another fin could force the tube to rotate relative to the encircled part of the aircraft in a direction that is opposite to the said one direction as a result of dynamic action by air on the another fin if no other fin exerted a force on the tube and rotation of the tube was not otherwise restricted.

6. An aircraft comprising a tube, which tube encircles part of the aircraft and is able to rotate relative to the encircled part of the aircraft, and which aircraft comprises a means to rotate the tube relative to the encircled part of the aircraft, which aircraft also comprises a plurality of fins, which fins are connected to the tube such that the fins can be rotated in a pivoting manner relative to the tube, and which aircraft also comprises a fin rotating mechanism by which fin rotating mechanism the fins can be rotated in the said pivoting manner by means of mechanical action by the fin rotating mechanism such that during flight of the aircraft rotation of one fin relative to the tube could create a force that could cause the tube to rotate in one direction as a result of dynamic action by air on the one fin if rotation of the tube was not restricted, and which fin rotating mechanism is such that the said mechanical action by the fin rotating mechanism to rotate the one fin relative to the tube can cause rotation of another fin relative to the tube such that during flight of the aircraft the another fin could force the tube to rotate relative to the encircled part of the aircraft in a direction that is opposite to the said one direction as a result of dynamic action by air on the another fin if no other fin exerted a force on the tube and rotation of the tube was not otherwise restricted.

7. The aircraft of claim 1 wherein the rotation of the fins in the said same direction is such that the rotation of the fins is substantially in the same direction relative to the tube.
- 5 8. The aircraft of claim 2 wherein the rotation of the fins in the said same direction is such that the rotation of the fins is substantially in the same direction relative to the tube.
9. The aircraft of claim 1 wherein the said means
10 to rotate the tube relative to the encircled part of the aircraft comprises an electric motor connected to the aircraft such that the electric motor is able to rotate the tube relative to the encircled part of the aircraft.
10. The aircraft of claim 2 wherein the said means
15 to rotate the tube relative to the encircled part of the aircraft comprises an electric motor connected to the aircraft such that the electric motor is able to rotate the tube relative to the encircled part of the aircraft.
11. The aircraft of claim 3 wherein the said means
20 to rotate the tube relative to the encircled part of the aircraft comprises an electric motor connected to the aircraft such that the electric motor is able to rotate the tube relative to the encircled part of the aircraft.

12. The aircraft of claim 4 wherein the said means
to rotate the tube relative to the encircled part of the
aircraft comprises an electric motor connected to the
aircraft such that the electric motor is able to rotate
5 the tube relative to the encircled part of the aircraft.
13. The aircraft of claim 5 wherein the said means
to rotate the tube relative to the encircled part of the
aircraft comprises an electric motor connected to the
aircraft such that the electric motor is able to rotate
10 the tube relative to the encircled part of the aircraft.
14. The aircraft of claim 6 wherein the said means
to rotate the tube relative to the encircled part of the
aircraft comprises an electric motor connected to the
aircraft such that the electric motor is able to rotate
15 the tube relative to the encircled part of the aircraft.
15. The aircraft of claim 7 wherein the said means
to rotate the tube relative to the encircled part of the
aircraft comprises an electric motor connected to the
aircraft such that the electric motor is able to rotate
20 the tube relative to the encircled part of the aircraft.

16. The aircraft of claim 8 wherein the said means
to rotate the tube relative to the encircled part of the
aircraft comprises an electric motor connected to the
aircraft such that the electric motor is able to rotate
5 the tube relative to the encircled part of the aircraft.
17. The aircraft of claim 1 wherein the said means to
rotate the tube relative to the encircled part of the
aircraft comprises a protruding section,
which protruding section protrudes outward from the tube,
10 and which protruding section is such that during flight
by the aircraft, dynamic action by air on the protruding
section can cause the tube to rotate relative to the
encircled part of the aircraft.
18. The aircraft of claim 2 wherein the said means to
15 rotate the tube relative to the encircled part of the
aircraft comprises a protruding section,
which protruding section protrudes outward from the tube,
and which protruding section is such that during flight
by the aircraft, dynamic action by air on the protruding
20 section can cause the tube to rotate relative to the
encircled part of the aircraft.

19. The aircraft of claim 3 wherein the said means to rotate the tube relative to the encircled part of the aircraft comprises a protruding section, which protruding section protrudes outward from the tube, and which protruding section is such that during flight by the aircraft, dynamic action by air on the protruding section can cause the tube to rotate relative to the encircled part of the aircraft.
20. The aircraft of claim 4 wherein the said means to rotate the tube relative to the encircled part of the aircraft comprises a protruding section, which protruding section protrudes outward from the tube, and which protruding section is such that during flight by the aircraft, dynamic action by air on the protruding section can cause the tube to rotate relative to the encircled part of the aircraft.
21. The aircraft of claim 5 wherein the said means to rotate the tube relative to the encircled part of the aircraft comprises a protruding section, which protruding section protrudes outward from the tube, and which protruding section is such that during flight by the aircraft, dynamic action by air on the protruding section can cause the tube to rotate relative to the encircled part of the aircraft.

22. The aircraft of claim 6 wherein the said means to rotate the tube relative to the encircled part of the aircraft comprises a protruding section, which protruding section protrudes outward from the tube, and which protruding section is such that during flight by the aircraft, dynamic action by air on the protruding section can cause the tube to rotate relative to the encircled part of the aircraft.
23. The aircraft of claim 7 wherein the said means to rotate the tube relative to the encircled part of the aircraft comprises a protruding section, which protruding section protrudes outward from the tube, and which protruding section is such that during flight by the aircraft, dynamic action by air on the protruding section can cause the tube to rotate relative to the encircled part of the aircraft.
24. The aircraft of claim 8 wherein the said means to rotate the tube relative to the encircled part of the aircraft comprises a protruding section, which protruding section protrudes outward from the tube, and which protruding section is such that during flight by the aircraft, dynamic action by air on the protruding section can cause the tube to rotate relative to the encircled part of the aircraft.

25. The aircraft of any one of claims 1 to 24 wherein the said aircraft is a missile.
26. The aircraft of any one of claims 1 to 24 wherein the said aircraft is an airplane.